

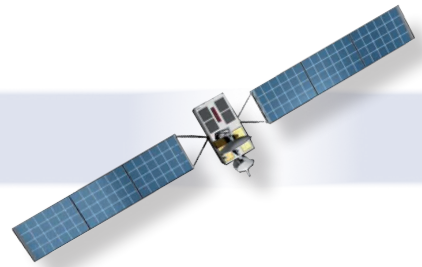


MORE THAN 50 YEARS IN TECHNOLOGY INNOVATION

16 x 16 EXTENDED L-BAND FAN OUT MATRIX

• RF BAND: 850-2350 MHz • Cost-effective System

FAN OUT MATRIX N. of Inputs N. of Outputs
Mod. **FOM16x16-L**



- 1U RACK COMPACT 16 x 16 L-BAND MATRIX
- REDUNDANT PSU & EASILY REPLACEABLE FAN
- IN-OUT RF POWER SENSING • VARIABLE GAIN MGC OR AGC
- REMOTE CONTROL VIA WEB GUI & SNMP
- HIGH RF PERFORMANCE • LNB POWERING opt.
- INTUITIVE AND FAST USER'S INTERFACE

**INNOVATIVE
PERFORMANCE**

for: SYSTEM INTEGRATOR,
TELEPORT BROADCASTER,
CABLE NETWORK, GOVERNMENT
& MILITARY COMMUNICATIONS

CE DVB

WTA
MEMBER

1972 > 2022 >>

MORE THAN 50 YEARS OF TECHNOLOGY INNOVATION

- Space saving 16 Inputs & 16 Outputs in only 1U Rack
- Extended L-Band frequency range 850-2350 MHz
- Cost-effective and reliable new System
- Available with different RF Input/Output connectors: F 75 Ω , BNC 75 Ω , BNC 50 Ω , SMA 50 Ω
- Selectable Automatic or Manual Gain Control
- RF Power measurement at all Inputs and Outputs Ports
- Remote control & monitoring of all main components

TECHNICAL SPECIFICATIONS

RF PORT:

- Input Port Number: 16
- Output Port Number: 16
- Routing: Distributive, non-blocking
- Switching time: <100mS

RF SPECIFICATIONS:

- Frequency Range : 850-2350 MHz
- Connectors : F (or BNC or SMA opt.)
- Impedance : 75 Ohm (or 50 Ohm opt.)
- INPUT Level : -40 to 0dBm
- Damage Input Level : 25 dBm
- Variable Gain : 50 dB
- Gain Flatness = +/- 4 dB Full Band, +/- 1dB any 36 MHz
- Return Loss : >15, typ 20dB
- Isolation Input/Input : typ. 40 dB
- Isolation Input/Output : typ. 60 dB
- Isolation Output/Output : typ 40 dB
- Isolation off: typ. 80 dB

LNB POWER CONTROL (opt.):

- D.C. Voltage : OFF, 13V, 18V max 500 mA for each Input
- Tone : 22 KHz ON/OFF
- Alarm : DC shotr circuit via web or SNMP

MONITORING SPECIFICATIONS:

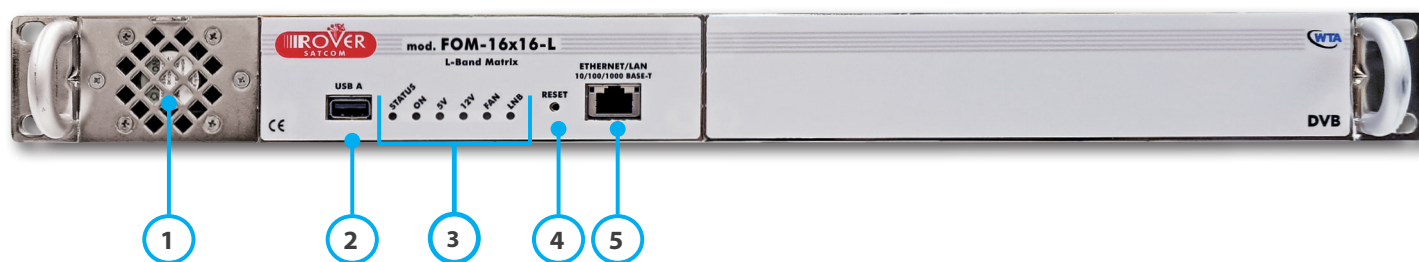
- RF Power Sensing : RF TOO LOW, TOO HIGH or NO RF Signal
- Redundant PSU: Status

HOT-SWAP REDUNDANT POWER SUPPLY:

- N. 2 AC Mains PSU : 110-240 VAC (with 2 separate receptacle for 2 separate Power LINE)
- N. 2 DC PSU : 48 V D.C. (optional)
- AC Power : 110 / 240 V, < 25 VA

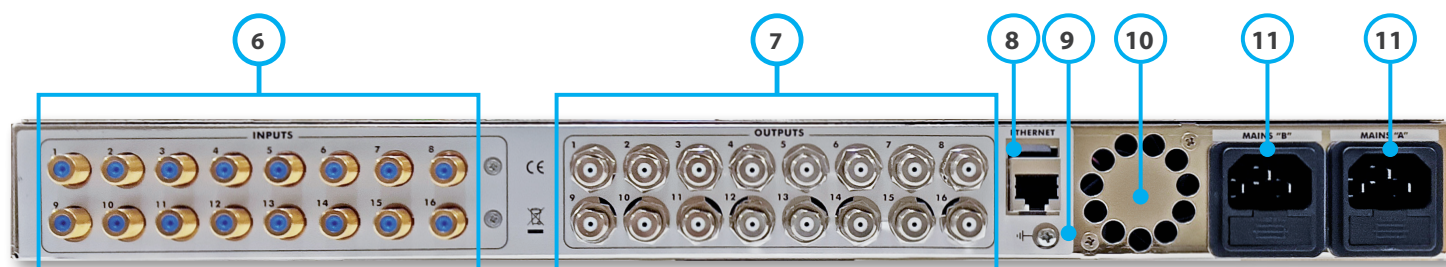
GENERAL SPECIFICATIONS:

- Case : 19" 1U Rack (75 cm deep)
- Net weight : 15 Kg
- Safety : EN 50 083-1 and EN 60 950.
- Environment:
 - Temperature range: -30° / + 55° (max 60°)
 - Umidity 95% (non-condensing)
- EMC : EN 50 083-2

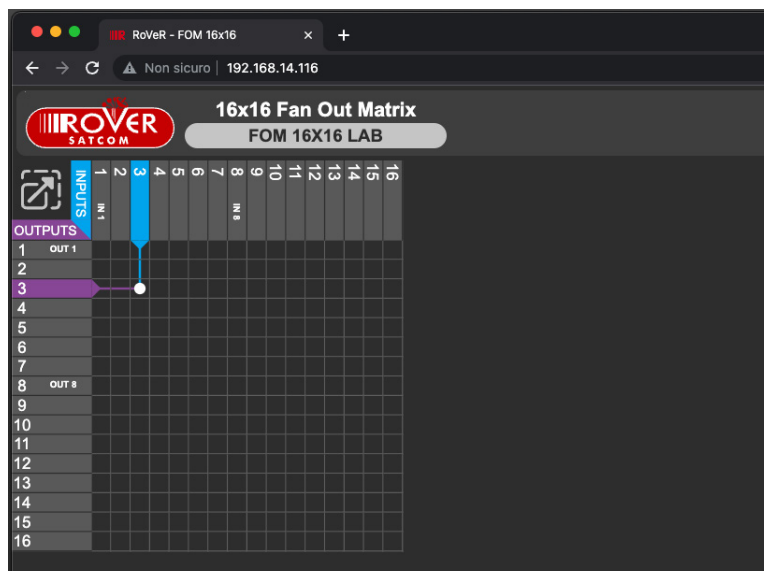


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|--------------------------|------------------------|
| 1. Fan Hot-Swap | 4. PC Hardware Reset |
| 2. USB A port | 5. Front Ethernet port |
| 3. Status and Alarms Led | |

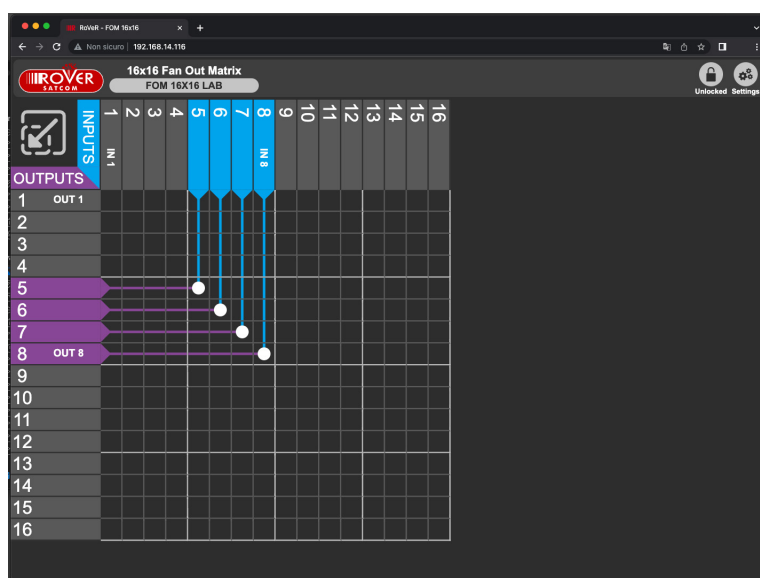
FOM 16 X 16 REAR PANEL DESCRIPTIONS



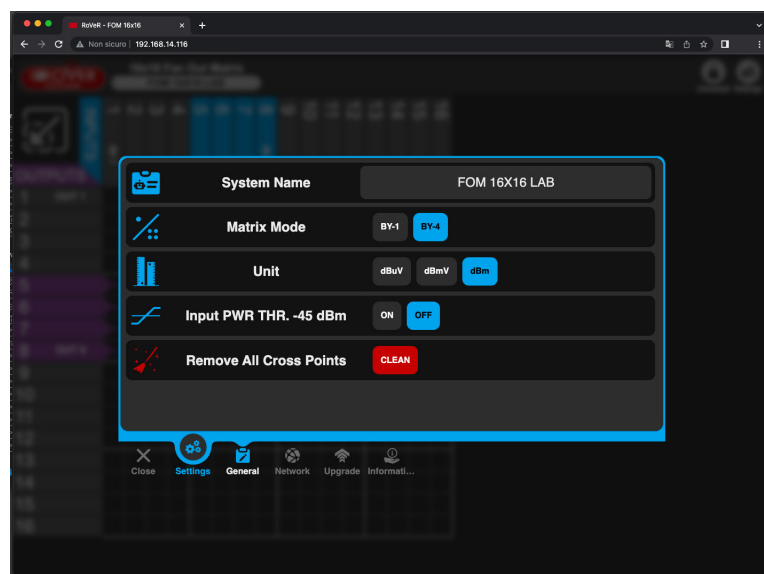
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|-----------------------|------------------------------|
| 6. N. 16 RF Inputs | 9. Ground connection |
| 7. N. 16 RF Outputs | 10. Rear Fan Hot-Swap |
| 8. Rear Ethernet port | 11. Main and Fuse receptacle |



By-1 cross
points settings



By-4 cross
points settings



Mains
Settings